

What is claimed is:

1. An image forming system comprising:
  - a manuscript image reading device to scan a manuscript and obtain shade information on the manuscript;
  - an exposure/development device to record a charged latent image in a photosensitive body based on the shade information obtained by said manuscript image reading device, to apply toners to the photosensitive body to transfer the toners to a recording medium; and
  - a fixing device to fix the toners transferred to the recording medium by thermal pressing;
    - said fixing device having
      - a rotational heating member;
      - a pressing roller for pressing from a bottom of the rotational heating member; and
      - a non-contact temperature detector provided above a horizontal surface passing a rotation axis of the rotational heating member, which detects a temperature of said rotational heating member;
    - wherein heating of the rotational heating member is controlled by a value detected by said non-contact temperature detector.
2. The image forming device according to claim 1, wherein said non-contact temperature detector is disposed within a range of 45 degrees with a plane running through a rotation axis of said rotational heating member being angle 0 and the rotation axis being the angle center.
3. The image forming device according to claim 2, wherein said non-contact temperature detector is disposed at a position apart from said rotating heating member by 5 mm or more.
4. The image forming device according to claim 3, wherein cleaning means to clean a surface of said rotational heating member is provided in an upstream side of the rotation

direction of the rotational heating member.

5. The image forming device according to claim 1, wherein said non-contact temperature detector has a structure by which a temperature sensor is shielded by a material having magnetic shielding function.

6. The image forming device according to claim 1, wherein said rotational heating member is a heating roller.

7. The image forming device according to claim 6, wherein said heating roller is heated by induction heating using an induction heating device.

8. The image forming device according to claim 6, wherein said heating roller is heated by a heating ray using a heating ray irradiation means.

9. The image forming device according to claim 8, wherein said heating ray is an infrared ray.

10. The image forming device according to claim 4, wherein said rotational heating member is a heating roller.

11. The image forming device according to claim 10, wherein said heating roller is heated by induction heating using an induction heating device.

12. The image forming device according to claim 10, wherein said heating roller is heated by a heating ray using a heating ray irradiation means.

13. The image forming device according to claim 1, wherein said rotational heating member is a heating belt.

14. A n image forming system comprising:

a manuscript image reading device to scan a manuscript and obtain shade information on the manuscript;

an exposure/development device to record a charged latent image in a photosensitive body based on the shade information obtained by said manuscript image reading device, to apply toners to the photosensitive body to transfer the toners to a recording medium; and

a fixing device to fix the toners transferred to the recording medium by thermal pressing;

said fixing device having

a rotational heating member;

a pressing roller for pressing from a bottom of the rotational heating member; and

a non-contact temperature detector provided above a horizontal surface passing a rotation axis of the rotational heating member, which detects a temperature of said rotational heating member;

a heat convection direction change means to direct heat convection generated by said rotational heating member to directions other than the direction of said non-contact temperature detector

wherein heating of the rotational heating member is controlled by a value detected by said non-contact temperature detector.

15. The image forming system according to claim 14, wherein said heat convection direction change means is a fan.

16. The image forming system according to claim 15, wherein said fan is disposed in a position symmetrical with the non-contact temperature detector, with the heating roller as a center, and the fan exhausts air flow outwardly.

17. The image forming system according to claim 15, wherein said fan inhales outside air.

18. The image forming system according to claim 14, wherein said non-contact temperature detector is disposed within a range of 45 degrees with a plane running through a rotation axis of said rotational heating member being angle 0 and the rotation axis being the angle center, and is disposed at a position apart from said rotating heating member by 5 mm or more.

19. An image forming system comprising:

- a manuscript image reading device to scan a manuscript and obtain shade information on the manuscript;

- an exposure/development device to record a charged latent image in a photosensitive body based on the shade information obtained by said manuscript image reading device, to apply toners to the photosensitive body to transfer the toners to a recording medium; and

- a fixing device to fix the toners transferred to the recording medium by thermal pressing;

- said fixing device having

- a rotational heating member;

- a pressing roller for pressing from a bottom of the rotational heating member; and

- a non-contact temperature detector provided above a horizontal surface passing a rotation axis of the rotational heating member, which detects temperature of said rotational heating member; and

- a covering member provided above said non-contact temperature detector, to prevent substances falling from said rotating heating member from attaching to said non-contact temperature detector.

20. The image forming system according to claim, wherein said cover is made of an electro-magnetic shielding material.